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PATENT  
ATTORNEY DOCKET NO: 06132/033003

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled CHIMERIC FLAVIVIRUS VACCINES, the specification of which

- ☐ is attached hereto.  
☒ was filed on July 23, 1998 as Application Serial No. 09/121,587.  
☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Serial Number	Filing Date	Priority Claimed?
PCT	PCT/US98/03894	March 2, 1998	Yes

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Filing Date	Status
08/807,445	February 28, 1997	Pending
09/007,664	January 15, 1998	Pending

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Paul T. Clark, Reg. No. 30,162; Karen L. Elbing, Reg. No. 35,238, and Kristina Bieker-Brady, Reg. No. 39,109.


Address all telephone calls to: Paul T. Clark at 617/420-0200.


### COMBINED DECLARATION AND POWER OF ATTORNEY

Address all correspondence to: Paul T. Clark at Clark & Elbing LLP, 176 Federal Street, Boston, MA 02110.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Thomas J. Chambers	St. Louis, Missouri	828 Twin Pine Drive St. Louis, MO 63122	USA
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Thomas P. Monath	Harvard, MA	21 Finn Road Harvard, MA 01451	USA
Signature: 			Date: 9/10/98

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Farshad Guirakhoo	Melrose, MA	39 Chestnut Street Melrose, MA 02176	Austria
Signature: 			Date: 9/10/98



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Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Thomas J. Chambers	St. Louis, Missouri	828 Twin Pine Drive St. Louis, MO 63122	USA
Signature:  THOMAS CHAMBERS			Date: 2/24/99

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Thomas P. Monath	Harvard, MA	21 Finn Road Harvard, MA 01451	USA
Signature:			Date:

Full Name (First, Middle, Last)	Residence Address (City, State, Country)	Post Office Address (Street, City, State, Country)	Citizenship
Farshad Guirakhoo	Melrose, MA	39 Chestnut Street Melrose, MA 02176	Austria
Signature:			Date:

06132.033003 Declaration & POA.wpd



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ATTORNEY DOCKET NO. 06132/033003

**Applicant or Patentee** : Thomas J. Chambers et al.  
**Serial or Patent No.** : 09/121,587  
**Filed or Issued** : July 23, 1998  
**Title** : CHIMERIC FLAVIVIRUS VACCINES

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS**  
**(37 CFR 1.9(f) and 1.27(c)) - SMALL BUSINESS CONCERN**

I hereby declare that I am

- ☐ the owner of the small business concern identified below:  
☒ an official of the small business concern empowered to act on behalf of the concern identified below:

**Name of Small Business Concern:**

**Address of Small Business Concern:**

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled "CHIMERIC FLAVIVIRUS VACCINES" by inventors Thomas J. Chambers, Thomas P. Monath, and Farshad Guirakhoo described in

- ☐ the specification filed herewith.  
☒ application serial no. 09/121,587, filed July 23, 1998.  
☐ patent no. [\*\*PATENT NUMBER\*\*], issued [\*\*ISSUE DATE\*\*].

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e). NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

**Assignee Name:**

**Assignee Address:**

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent on which this verified statement is directed.

**Name:** Lance Gordon

**Title:** President and CEO

**Address:** OraVax, Inc., 38 Sidney Street, Cambridge, MA 02139

**Signature:**

Lance Gordon **Date:** Sept. 11, 1998